

Title (en)
ULTRA-CONDUCTIVE METAL COMPOSITE FORMS AND THE SYNTHESIS THEREOF

Title (de)
ULTRALEITFÄHIGE METALLVERBUNDFORMEN UND DEREN SYNTHESE

Title (fr)
FORMES COMPOSITES MÉTALLIQUES ULTRA-CONDUCTRICES ET LEUR SYNTHÈSE

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Abstract (en)
[origin: WO2018064137A1] A method of forming a metal-graphene composite includes coating metal components (10) with graphene (14) to form graphene-coated metal components, combining a plurality of the graphene-coated metal components to form a precursor workpiece (26), and working the precursor workpiece (26) into a bulk form (30) to form the metal-graphene composite. A metal-graphene composite includes graphene (14) in a metal matrix wherein the graphene (14) is single-atomic layer or multi-layer graphene (14) distributed throughout the metal matrix and primarily (but not exclusively) oriented with a plane horizontal to an axial direction of the metal-graphene composite.

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